

6.11 NEW LARGE INDUSTRIAL USERS

6.11.1 Introduction

New large industrial users are those industrial users that use in excess of 100 acre-feet of water per year and commenced use after January 1, 1990. As of December 1997, one new large industrial user had been identified during the second management period in the Pinal AMA. In this category, are those users that do not fit the specific industrial facility definitions in this chapter (e.g., metal mines, turf-related facilities, etc.). Therefore, while several new industrial facilities, such as sand and gravel and turf-related facilities, have commenced operation in the AMA since January 1, 1990 and use more than 100 acre-feet per year, these industrial users are subject to specific conservation requirements previously discussed in this chapter.

6.11.2 Water Use by New Large Industrial Users

The one new large industrial user identified in the Pinal AMA during the second management period, United-Concept's correctional facility near Eloy, used nearly 187 acre-feet of groundwater in 1995. There are 11 water rights and permits categorized under the "other industrial" subsection that have allotments of over 100 acre-feet per year but are currently using less than that or are not using any water at all. The annual allotments for these 11 facilities total nearly 7,800 acre-feet.

6.11.3 Program Development and Issues

There were no requirements for new industrial users in the First Management Plan. In addition to the conservation requirements for all industrial users, the Second Management Plan contains a specific conservation requirement for new industrial users that use more than 100 acre-feet per year to prepare and submit a water conservation plan that addresses the water conservation opportunities at the facility. Additionally, facilities that expand and increase their water use to greater than 100 acre-feet per year are required to do the same.

The Department has determined that submitting a conservation plan is a reasonable requirement to continue for the third management period considering the large volume of unused allotments that could be used for new large industrial uses and the corresponding opportunity to design water conservation into new or expanding facilities.

6.11.4 New Large Industrial User Program

The new large industrial user program for the Third Management Plan is identical to that of the Second Management Plan. In addition to the requirements under section 6.2.6 that apply to all industrial users, new large industrial users must prepare and submit a water conservation plan to the director. However, if the facility is required to submit a conservation plan under another section of this chapter, then they can combine these and submit one plan.

The water conservation plan must show how much water conservation can be achieved at the facility. It must identify how water is used at the facility and what can be done to conserve it in major water use areas. The plan must also describe an employee water conservation education program at the facility and when conservation measures will be implemented.

6.11.5 Industrial Conservation Requirements and Monitoring and Reporting Requirements for New Large Industrial Users

6-1101. *Definitions*

In addition to the definitions set forth in Chapters 1 and 2 of Title 45 of the Arizona Revised Statutes and section 6-201 of this chapter, “new large industrial user” means an industrial user that begins using more than 100 acre-feet of water per year for industrial purposes after January 1, 2000.

6-1102. *Conservation Requirements*

- A.** *Not later than January 1, 2002 or within 180 days after the end of the first calendar year in which the facility first uses more than 100 acre-feet of water for industrial purposes, whichever is later, a new large industrial user shall submit to the director a plan to improve the efficiency of water use by the facility. The plan shall:*
- 1. Specify the level of water conservation that can be achieved assuming the use of the latest commercially available technology consistent with reasonable economic return;*
 - 2. Identify water uses and conservation opportunities within the facility, addressing water used for the following categories as appropriate: landscaping; space cooling; process-related water use, including recycling; and sanitary and kitchen uses;*
 - 3. Describe an ongoing water conservation education program for employees; and*
 - 4. Include an implementation schedule.*
- B.** *If a person required to submit a plan under subsection A of this section is required to submit a conservation plan under another section of this chapter, the person may combine the plans into a single conservation plan.*